

MATERIAL SAFETY DATA SHEET

For R&D use only. Not for drug, household or other uses.

Click <http://www.lookchem.com/cas-136/13674-84-5.html> for suppliers of this product.

Composition/Information on Ingredient

Cas:

13674-84-5

Code:

M

RTECS:

TC9000000

Code:

M

Name:

PHOSPHORIC ACID, TRIS(2-CHLORO-1-METHYLETHYL) EST

Other REC Limits:

N/K

OSHA PEL:

N/K

Code:

M

OSHA STEL:**Code:****ACGIH TLV:**

N/K

Code:

M

ACGIH STEL:

N/P

Code:

Control Measures

Respiratory Protection:

USE NIOSH APPROVED CARTRIDGE RESPIRATOR

Ventilation:

ADEQUATE TO MAINTAIN BELOW TLV; MECHANICAL EXHAUST IS RECOMMENDED. USE ONLY IN WELL VENTILATED AREAS.

Protective Gloves:

CHEMICAL RESISTANT RUBBER OR PLASTIC

Eye Protection:

SAFETY GOGGLES OR FACE SHIELD

Other Protective Equipment:

Equipment IMPERVIOUS GLOVES

Work Hygienic Practices:

REMOVE/LAUNDER CONTAMINATED CLOTHING BEFORE REUSE. WASH SKIN & HANDS AFTER USE.

Supplemental Safety and Health:

PRODUCT CURES TO A RIGID SOLID WITHIN 30 MINS, THIS RESIDUE CANNOT BE REMOVED FROM SKIN WITHOUT MECHANICAL ABRASION. BEFORE FOAM CURES IT MAY BE REMOVE W/ACETONE, PAINT THINNER OR SIMILAR SOLVENT. BOILING POINT/VAPOR PRESSURE/VAPOR 4 DENSITY/EVAPORATION RATE INFO IS FOR CFC. LD50 INFO IS FOR POLYMERIC DIISOCYANATE.

Health Hazards Data

LD50/LC50 Mixture:

ORAL LD50 (RAT): 15,000 MG/KG SEE SUPP

Route Of Entry Inds - Inhalation:

YES

Skin:

YES

Ingestion:

YES

Carcinogenicity Inds - NTP:

NO

IARC:

NO

OSHA:

NO

Health Hazards Acute And Chronic:

INHALATION: NOSE/THROAT IRRITATION, REDUCED PULMONARY FUNCTION, NARCOSIS & CARDIAC IRREGULARITIES. SKIN: SENSITIZATION, DERMATITIS, IRRITATION & DISCOLORATION. EYES: IRRITANT & CORNEAL DAMAGE. INGESTION: IRRITATION & CORROSIVE ACTION IN MOUTH & DIGESTIVE TRACT. OBSTRUCTION OF FREE PASSAGE OF FOOD & AIR.

Explanation Of Carcinogenicity:

NONE

Signs And Symptoms Of Overexposure:

PERSONS SENSITIZED TO ISOCYANATES MAY EXPERIENCE SHORTNESS OF BREATH, SEVERE COUGHING, DYSPNEA, CHEST DISCOMFORT, NOSE & THROAT IRRITATION, LIGHTHEADEDNESS, HEADACHE, GIDDINESS, CARDIAC IRREGULARITIES, UNCONSCIOUSNESS & DEATH. SKIN: LOCALIZED IRRITATION & DISCOLORATION. REDDENING, SWELLING & BLISTERING.

Medical Cond Aggravated By Exposure:

CHRONIC RESPIRATORY PROBLEMS

First Aid:

INHALATION: TREAT SYMPTOMATICALLY W/VASO-DILATORS & OXYGEN. SKIN: WASH W/ABRASIVE SOAP, ACETONE OR ALCOHOL. AFTER PRODUCT CURES IT CAN ONLY BE REMOVE MECHANICALLY. USE ABRASIVE CLEANER & STIFF VEGETABLE BRUSH. EYES: FLUSH W/WATER FOR 15 MINS, HOLDING EYELIDS APART. INGESTION: DON'T INDUCE VOMITING. CURED PIECES OF FOAM, WHEN INGESTED, MAY OBSTRUCT GI TRACT. OBTAIN MEDICAL ATTENTION IN ALL CASES.

Spill Release Procedures:

WEAR PROTECTIVE CLOTHING. COVER W/ABSORBENT MATERIAL (SAWDUST) & PLACE IN OPEN CONTAINER OR PLASTIC SHEET. AFTER CURING, MATERIAL CAN ONLY BE REMOVED MECHANICALLY. VENT CAN & DISPENSE FOAM INTO SUITABLE WASTE CONTAINER, ALLOW TO CURE.

Neutralizing Agent:

N/K

Waste Disposal Methods:

DISPOSE OF IN SANITARY LANDFILL IN ACCORDANCE W/FEDERAL, STATE, & LOCAL REGULATIONS. DON'T INCINERATE/PUNCTURE CAN. PRESSURIZED CONTAINERS ARE EPA HAZARDOUS WASTE #D001. EMPTY CAN COMPLETELY BEFORE DISPOSAL.

Handling And Storage Precautions:

3 STORE BETWEEN 40-120F. DON'T FREEZE. USE ENTIRE CAN OF FOAM WITHIN 30 DAYS OF INITIAL APPLICATION. DON'T INGEST. KEEP AWAY FROM CHILDREN.

Other Precautions:

IF CAN STORED AT TEMPERATURES LESS THAN 40F, CONTENTS MAY SEPARATE. SHAKE CAN VIGOROUSLY TO RECOMBINE. AVOID SKIN CONTACT. UNCURED MATERIAL REACTS SLOWLY W/WATER TO LIBERATE CO₂.

Fire and Explosion Hazard Information

Flash Point Method:

N/P

Flash Point:**Flash Point Text:**

N/K

Autoignition Temp:

N/A

Lower Limits:

N/K

Upper Limits:

N/K

Extinguishing Media:

CO₂, FOAM, DRY CHEMICAL, HIGH EXPANSION CHEMICAL FOAM

Fire Fighting Procedures:

WEAR SELF-CONTAINED BREATHING APPARATUS IN POSITIVE PRESSURE MODE & FULL PROTECTIVE GEAR. COOL FIRE EXPOSED CONTAINERS W/COLD WATER.

Unusual Fire/Explosion Hazard:

SEALED CONTAINERS CONTAIN FREON WHICH MAY EXPAND UNDER PRESSURE & EXPLODE. POLYMERIC ISOCYANATE CAN REACT W/WATER, PRODUCING CO₂ WHICH CAN REACT VIOLENTLY.

Physical/Chemical Properties

HCC:**NRC/State Lic No:****Net Prop WT For Ammos:**

N/P

Boiling Point:

N/A

B.P.P. Text:

N/A

Melt/Freeze Pt:

N/A

Decomp Temp:

N/A

Decomp Text:

N/K

Vapor Pres:

N/A

Vapor Density:

N/A

Volatile Org Content %:

N/A

Spec Gravity:

1.08

VOC Pounds/Gallon:

N/A

PH:

N/K

VOC Grams/Liter:

N/A

Viscosity:

N/P

Evaporation Rate & Reference:

(BU AC = 1); >1

INSOLUBILITY IN Water:

INSOLUBLE

Blue-Green Viscous Foam W/Slight Sweet Odor. Solid Upon Curing.**Percent Volatiles by Volume:**

33

Corrosion Rate:

N/K

Conditions To Avoid Polymerization:

N/K

Toxicological Information

Information:

N/P

MSDS/Transport Information

Information:

N/P

Regulatory Information

Sara Title III Information:

N/P

Federal Regulatory Information:

N/P

State Regulatory Information:

N/P

Other Information

Other Information:

N/P

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